

TENNESSEE

Science and Engineering Profile

	TN	U.S.	Rank		TN	U.S.	Rank
Doctoral scientists, 1995	7,631	453,928	21	Total R&D performance, 1995 (millions)	\$1,402	\$177,210	26
Doctoral engineers, 1995	1,392	86,738	19	Industry R&D, 1995 (millions)	\$1,003	\$130,332	25
S&E doctorates awarded, 1996	350	27,230	24	Academic R&D, 1995 (millions)	\$308	\$21,606	26
of which, in life sciences	26%	25%		of which, in life sciences	60%	55%	
in engineering	24%	23%		in engineering	16%	16%	
in psychology	17%	13%		in physical sciences	7%	10%	
S&E postdoctorates, 1995	465	35,379	23	Higher education current-fund expenditures, 1995 (millions)	\$3,453	\$182,602	19
in doctorate-granting institutions							
S&E graduate students, 1995	7,195	436,328	20	Number of SBIR awards, 1990-1996	260	26,399	24
in doctorate-granting institutions				Patents issued to state residents, 1996	633	61,099	24
Population, 1996 (000s)	5,320	269,067	17	Gross state product, 1994 (billions)	\$126.5	\$6,876.0	18
Civilian labor force, 1996 (000s)	2,751	135,528	19	of which, agriculture	1%	2%	
Personal income per capita, 1996	\$21,764	\$24,231	34	manufacturing, mining, construction	28%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1996 (millions)	\$27,558	\$1,368,858	17	wholesale and retail trade	18%	16%	
R&D obligations, 1995 (millions)	\$582	\$67,080	23	finance, insurance, real estate services	13%	19%	
				government	19%	20%	
					12%	13%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Tennessee by Agency and Performer: Fiscal Year 1995

[Thousands of Dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	581,956	62,100	295,072	34,700	167,951	19,875	2,258	23
Department of Agriculture	9,249	160	0	0	9,089	0	0	39
Department of Commerce	1,115	1,005	0	41	69	0	0	37
Department of Defense	82,725	52,015	9,552	8,751	12,407	0	0	29
Department of Energy	299,627	503	281,993	11,058	6,073	0	0	7
Dept. of Health & Human Services	142,131	1,330	1,128	2,540	117,293	19,508	332	21
Department of the Interior	3,074	2,751	0	35	245	0	43	38
Department of Transportation	3,300	942	418	53	191	0	1,696	29
Environmental Protection Agency	1,101	0	0	208	893	0	0	38
Nat'l Aeronautics & Space Admin.	23,667	3,394	1,919	11,156	6,736	367	95	21
National Science Foundation	15,967	0	62	858	14,955	0	92	28
State rank	23	26	5	36	24	18	33	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable